

IN THE CLAIMS:

Please cancel claims 17-36 without prejudice to future presentation.

Please add new claims 37-48.

1-36. Canceled

37. (New) An isolated nucleic acid which encodes the polypeptide of SEQ ID NO: 3 or the polypeptide of SEQ ID NO: 4.
38. (New) The nucleic acid of claim 37, which comprises the nucleic acid of SEQ ID NO: 1 or the nucleic acid of SEQ ID NO: 2.
39. (New) A nucleic acid which hybridizes under stringent conditions to the nucleic acid of claim 37.
40. (New) The nucleic acid of claim 37, which is a genomic DNA sequence.
41. (New) The nucleic acid of claim 38, wherein said nucleic acid encodes a protein that induces oocyte maturation or modulates cell division.
42. (New) The nucleic acid of claim 39, wherein said nucleic acid encodes a protein that

induces oocyte maturation or modulates cell division.

43. (New) The nucleic acid of claim 37, further comprising an expression control sequence operably linked to a coding sequence.
44. (New) The nucleic acid of claim 39, further comprising an expression control sequence operably linked to a coding sequence.
45. (New) An expression vector comprising the nucleic acid of claim 37.
46. (New) An expression vector comprising the nucleic acid of claim 39.
47. (New) A diagnostic marker for cell proliferation or cell differentiation for hybridization experiments to determine the amount of homologous nucleic acid sequences, wherein said diagnostic marker comprises the nucleic acid of claim 37.
48. (New) A method for determining proliferation or differentiation status of a cell, said method comprising determining the amount of nucleic acid present in the cell that is homologous to the nucleic acid sequence of claim 37, determining the amount of protein produced from the homologous nucleic acid, and correlating said amount of protein to the cell's proliferation or differentiation rate, thereby determining proliferation or differentiation status of the cell .